

Title (en)

Bistable nematic liquid crystal display with grey scale capability

Title (de)

Bistabile nematische Flüssigkristallanzeige mit Graustufenfähigkeit

Title (fr)

Dispositif d'affichage bistable à base de cristaux liquides nématiques autorisant des teintes de gris

Publication

EP 0773468 B1 20031022 (FR)

Application

EP 96402369 A 19961107

Priority

FR 9513324 A 19951110

Abstract (en)

[origin: EP0773468A1] The liquid crystal (10) is made up of an upper and lower holding plate (20,30) with electrodes (22,32). A principle temporary electric field (4) is applied to the side of the Liquid Crystal device. The temporary field breaks the molecule structure from its original formation. The upper and lower electrodes can then form privileged orientation positions of the molecules where the orientation changes with the voltage applied to the upper and lower plates.

IPC 1-7

G02F 1/139

IPC 8 full level

G02F 1/137 (2006.01); **G02F 1/133** (2006.01); **G02F 1/1337** (2006.01); **G02F 1/139** (2006.01); **G02F 1/141** (2006.01); **G09F 9/35** (2006.01)

CPC (source: EP US)

G02F 1/1391 (2013.01 - EP US)

Cited by

FR2824400A1; KR100870789B1; US8361343B2; US8252202B2; US7224417B2; WO02091073A1; WO2004077390A3

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